



SEQUENCE LISTING

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Ghosh, Sankar
Findeis, Mark A
Phillips, Kathryn
Hannig, Gerhard

<120> ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

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<140> 09/847,946

<141> 2001-05-02

<150> 60/201,261

<151> 2000-05-02

<150> 09/643,260

<151> 2000-08-22

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<170> PatentIn Ver. 2.0

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 <211> 8
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 92
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 1 5

<210> 93
 <211> 10
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 93
 Ala Leu Asp Tyr Ser Trp Leu Gln Thr Glu
 1 5 10

<210> 94
 <211> 9
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 94
 Leu Asp Tyr Ser Trp Leu Gln Thr Glu
 1 5

<210> 95
 <211> 6
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 95
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 1 5

<210> 96
 <211> 10
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 96
 Thr Ala Leu Asp Tyr Ser Trp Leu Gln Thr
 1 5 10

<210> 97
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 97
 Thr Ala Leu Asp Tyr Ser Trp Leu Gln
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<210> 98
 <211> 9
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 98
 Ala Leu Asp Tyr Ser Trp Leu Gln Thr
 1 5

<210> 99
 <211> 7
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 99
 Leu Asp Tyr Ser Trp Leu Gln
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<210> 100
 <211> 8
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
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<400> 100
 Leu Asp Tyr Ser Trp Leu Gln Thr
 1 5

<210> 101
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 101
 Thr Ala Leu Asp Trp Ala Trp Leu Gln Thr Glu
 1 5 10

<210> 102
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 102

Leu Asp Trp Ala Trp Leu Gln Thr Glu
 1 5

<210> 103
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 103
 Thr Ala Leu Asp Trp Ala Trp Leu
 1 5

<210> 104
 <211> 10
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 104
 Ala Leu Asp Trp Ala Trp Leu Gln Thr Glu
 1 5 10

<210> 105
 <211> 9
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 105
 Leu Asp Trp Ala Trp Leu Gln Thr Glu
 1 5

<210> 106
 <211> 6
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 106
 Leu Asp Trp Ala Trp Leu
 1 5

<210> 107

<211> 10
 <212> PRT
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<220>

<223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 107

Thr Ala Leu Asp Trp Ala Trp Leu Gln Thr
 1 5 10

<210> 108

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 108

Thr Ala Leu Asp Trp Ala Trp Leu Gln
 1 5

<210> 109

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 109

Ala Leu Asp Trp Ala Trp Leu Gln Thr
 1 5

<210> 110

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 110

Leu Asp Trp Ala Trp Leu Gln
 1 5

<210> 111

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
sequence

<400> 111

Leu Asp Trp Ala Trp Leu Gln Thr
1 5

<210> 112

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
sequence

<400> 112

Thr Ala Leu Asp Trp Glu Trp Leu Gln Thr Glu
1 5 10

<210> 113

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
sequence

<400> 113

Leu Asp Trp Glu Trp Leu Gln Thr Glu
1 5

<210> 114

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
sequence

<400> 114

Thr Ala Leu Asp Trp Glu Trp Leu
1 5

<210> 115

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NEMO binding
sequence

<400> 115

Ala Leu Asp Trp Glu Trp Leu Gln Thr Glu

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<210> 116
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 116
 Leu Asp Trp Glu Trp Leu Gln Thr Glu
 1 5

<210> 117
 <211> 6
 <212> PRT
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<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 117
 Leu Asp Trp Glu Trp Leu
 1 5

<210> 118
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 118
 Thr Ala Leu Asp Trp Glu Trp Leu Gln Thr
 1 5 10

<210> 119
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

<400> 119
 Thr Ala Leu Asp Trp Glu Trp Leu Gln
 1 5

<210> 120
 <211> 9

<212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

 <400> 120
 Ala Leu Asp Trp Glu Trp Leu Gln Thr
 1 5

 <210> 121
 <211> 7
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

 <400> 121
 Leu Asp Trp Glu Trp Leu Gln
 1 5

 <210> 122
 <211> 8
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:NEMO binding
 sequence

 <400> 122
 Leu Asp Trp Glu Trp Leu Gln Thr
 1 5

 <210> 123
 <211> 7
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:membrane
 translocation domain

 <400> 123
 Arg Arg Met Lys Trp Lys Lys
 1 5

 <210> 124
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:membrane

translocation domain

<400> 124

Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 1 5 10

<210> 125

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:membrane
 translocation domain

<400> 125

Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 1 5 10

<210> 126

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:membrane
 translocation domain

<400> 126

Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg
 1 5 10

<210> 127

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:membrane
 translocation domain

<400> 127

Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg
 1 5 10

<210> 128

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:membrane
 translocation domain

<400> 128

Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg
 1 5 10

<210> 129
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:membrane
 translocation domain

<400> 129
 Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg
 1 5 10

<210> 130
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:membrane
 translocation domain

<400> 130
 Arg Arg Met Lys Trp Lys Lys
 1 5

<210> 131
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 131
 Arg Arg Met Lys Trp Lys Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln
 1 5 10 15

Thr Glu

<210> 132
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 132
 Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
 1 5 10

<210> 133
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 133
 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Ala Leu Asp Trp
 1 5 10 15
 Ser Trp Leu Gln Thr Glu
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<210> 134
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 134
 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Ala Leu Asp Trp
 1 5 10 15
 Ser Trp Leu Gln Thr Glu
 20

<210> 135
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 135
 Arg Arg Arg Arg Arg Arg Arg Thr Ala Leu Asp Trp Ser Trp Leu Gln
 1 5 10 15
 Thr Glu

<210> 136
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 136

Arg Arg Arg Arg Arg Arg Arg Thr Ala Leu Asp Trp Ser Trp Leu Gln
 1 5 10 15

Thr Glu

<210> 137

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 137

Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg Thr Ala Leu Asp Trp
 1 5 10 15

Ser Trp Leu Gln Thr Glu
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<210> 138

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 138

Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg Thr Ala Leu Asp Trp
 1 5 10 15

Ser Trp Leu Gln Thr Glu
 20

<210> 139

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 139

Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Thr Ala Leu Asp Trp
 1 5 10 15

Ser Trp Leu Gln Thr Glu
 20

<210> 140

<211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 140
 Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
 1 5 10

<210> 141
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 141
 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Leu Asp Trp Ser Trp
 1 5 10 15

Leu

<210> 142
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 142
 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Leu Asp Trp Ser Trp
 1 5 10 15

Leu

<210> 143
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 143
 Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp Leu
 1 5 10

<210> 144
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 144
 Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp Leu
 1 5 10

<210> 145
 <211> 13
 <212> PRT
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<220>
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 Sequence:anti-inflammatory compound

<400> 145
 Arg Arg Arg Arg Arg Arg Arg Leu Asp Trp Ser Trp Leu
 1 5 10

<210> 146
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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 Sequence:anti-inflammatory compound

<400> 146
 Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Leu Asp Trp Ser Trp
 1 5 10 15

Leu

<210> 147
 <211> 17
 <212> PRT
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<220>
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 Sequence:anti-inflammatory compound

<400> 147
 Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Leu Asp Trp Ser Trp
 1 5 10 15

Leu

<210> 148
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:anti-inflammatory compound

<400> 148
 Arg Arg Arg Arg Arg Arg Arg Leu Asp Trp Ser Trp Leu
 1 5 10

<210> 149
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:mebrane translocation domain

<400> 149
 Arg Arg Arg Arg Arg Arg
 1 5

<210> 150
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:mebrane translocation domain

<400> 150
 Arg Arg Arg Arg Arg Arg
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<210> 151
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
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 Sequence:mebrane translocation domain

<400> 151
 Arg Arg Arg Arg Arg Arg Arg Arg
 1 5

<210> 152
 <211> 9

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence: mebrane translocation domain

<400> 152
 Arg Arg Arg Arg Arg Arg Arg Arg
 1 5

<210> 153
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:mebrane translocation domain

<400> 153
 Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg
 1 5 10

<210> 154
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:mebrane translocation domain

<400> 154
 Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg
 1 5 10

<210> 155
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
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 Sequence:mebrane translocation domain

<400> 155
 Arg Arg Arg Arg Arg
 1 5

<210> 156
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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 Sequence:mebrane translocation domain

<400> 156
 Arg Arg Arg Arg Arg Arg
 1 5

<210> 157
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
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 Sequence:mebrane translocation domain

<400> 157
 Arg Arg Arg Arg Arg Arg Arg Arg
 1 5

<210> 158
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:mebrane translocation domain

<400> 158
 Arg Arg Arg Arg Arg Arg Arg Arg Arg
 1 5

<210> 159
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:mebrane translocation domain

<400> 159
 Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg
 1 5 10

<210> 160
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 160
Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5 10

<210> 161
<211> 20
<212> PRT
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<220>
<223> NEMO binding domain fused with mebrane
translocation domain

<221> VARIANT
<222> 1
<223> Xaa = H

<221> VARIANT
<222> 20
<223> Xaa = NH2

<400> 161
Xaa Arg Arg Met Lys Trp Lys Lys Thr Ala Leu Asp Trp Ser Trp Leu
1 5 10 15
Gln Thr Glu Xaa
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<210> 162
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<220>
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translocation domain

<221> VARIANT
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<221> VARIANT
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<400> 162
Xaa Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Ala Leu Asp
1 5 10 15
Trp Ser Trp Leu Gln Thr Glu Xaa
20

<210> 163
<211> 20
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<220>
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 translocation domain

 <221> VARIANT
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 <221> VARIANT
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 <400> 163
 Xaa Arg Arg Arg Arg Arg Arg Arg Thr Ala Leu Asp Trp Ser Trp Leu
 1 5 10 15
 Gln Thr Glu Xaa
 20

 <210> 164
 <211> 24
 <212> PRT
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 translocation domain

 <221> VARIANT
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 <221> VARIANT
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 <400> 164
 Xaa Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg Thr Ala Leu Asp
 1 5 10 15
 Trp Ser Trp Leu Gln Thr Glu Xaa
 20

 <210> 165
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 translocation domain

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<400> 165

Xaa Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Thr Ala Leu Asp
 1 5 10 15
 Trp Ser Trp Leu Gln Thr Glu Xaa
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<210> 166

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> NEMO binding domain fused with mebrane
 translocation domain

<221> VARIANT

<222> 1

<223> Xaa = H

<221> VARIANT

<222> 15

<223> Xaa = NH2

<400> 166

Xaa Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp Leu Xaa
 1 5 10 15

<210> 167

<211> 15

<212> PRT

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<223> NEMO binding domain fused with mebrane
 translocation domain

<221> VARIANT

<222> 1

<223> Xaa = H

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<222> 15

<223> Xaa = NH2

<400> 167

Xaa Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp Leu Xaa
 1 5 10 15

<210> 168

<211> 15

<212> PRT

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<223> NEMO binding domain fused with mebrane
 translocation domain

<221> VARIANT
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<221> VARIANT
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<400> 168
 Xaa Arg Arg Arg Arg Arg Arg Arg Arg Leu Asp Trp Ser Trp Leu Xaa
 1 5 10 15

<210> 169
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 <212> PRT
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<220>
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 translocation domain

<221> VARIANT
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<221> VARIANT
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<400> 169
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 1 5 10 15
 Trp Leu Xaa

<210> 170
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 translocation domain

<221> VARIANT
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<400> 170
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 Trp Leu Xaa

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 translocation domain

<221> VARIANT
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<400> 171
 Xaa Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Leu Asp Trp Ser
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 Trp Leu Xaa